

FIG. 1

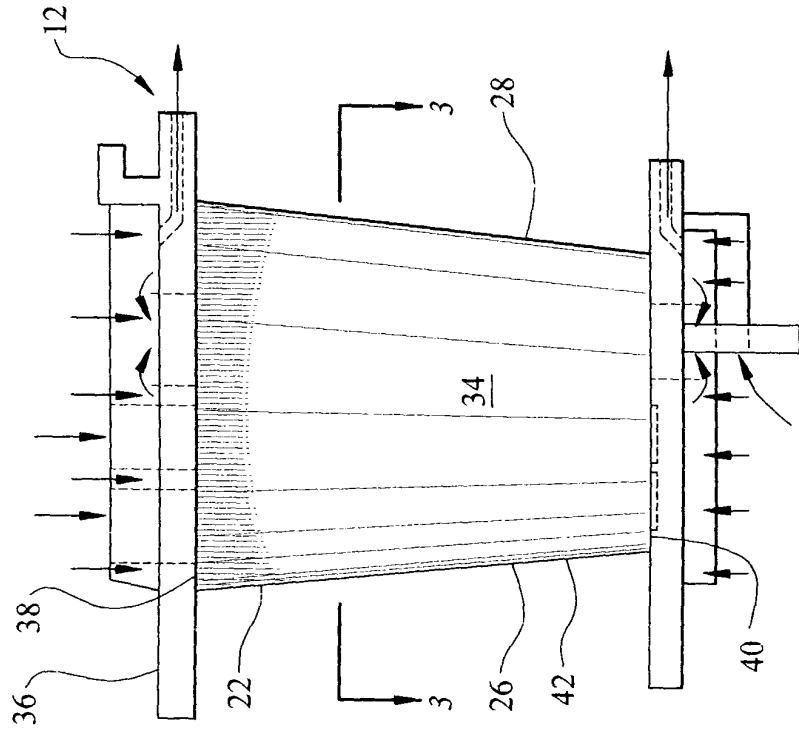


FIG. 2

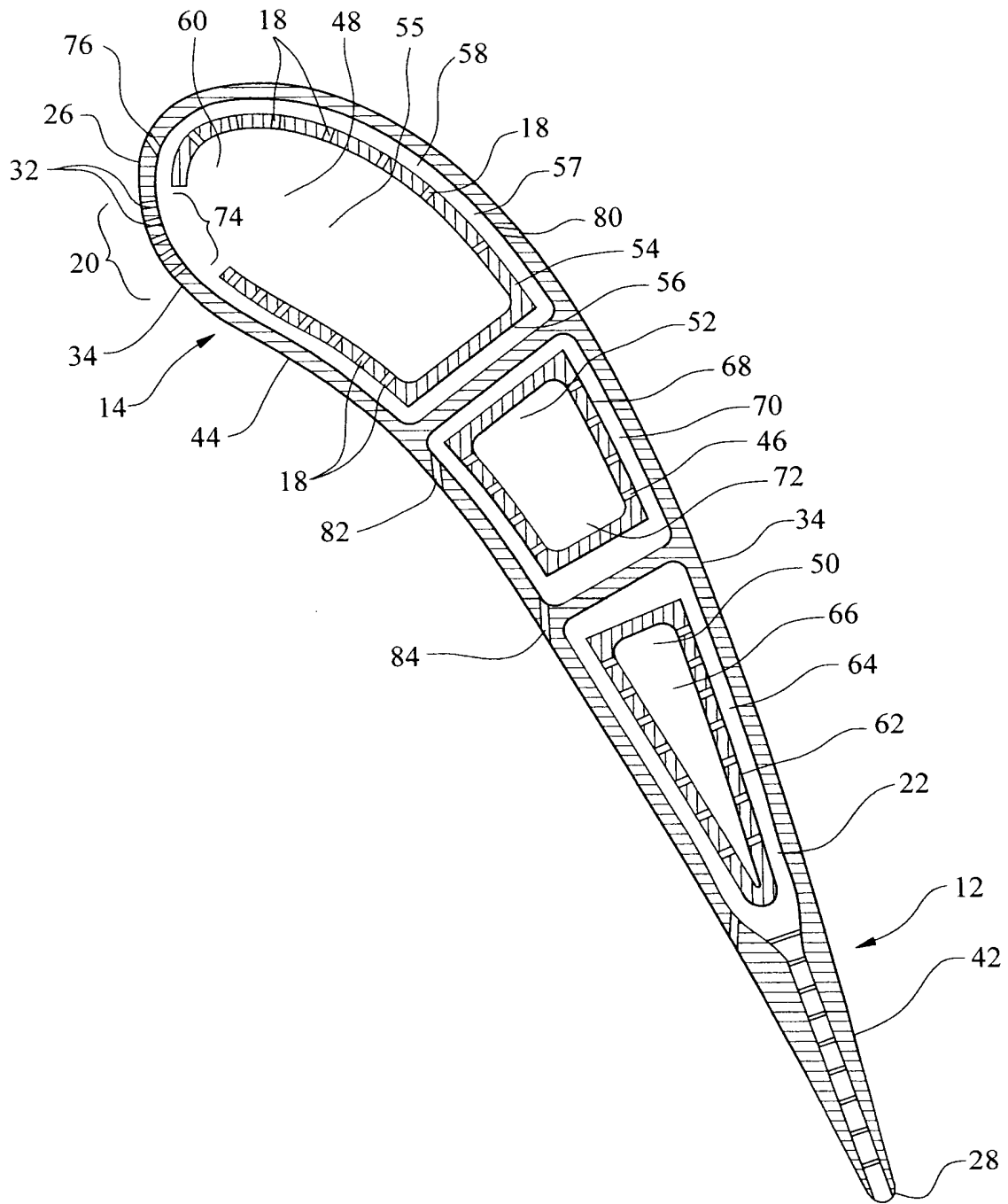
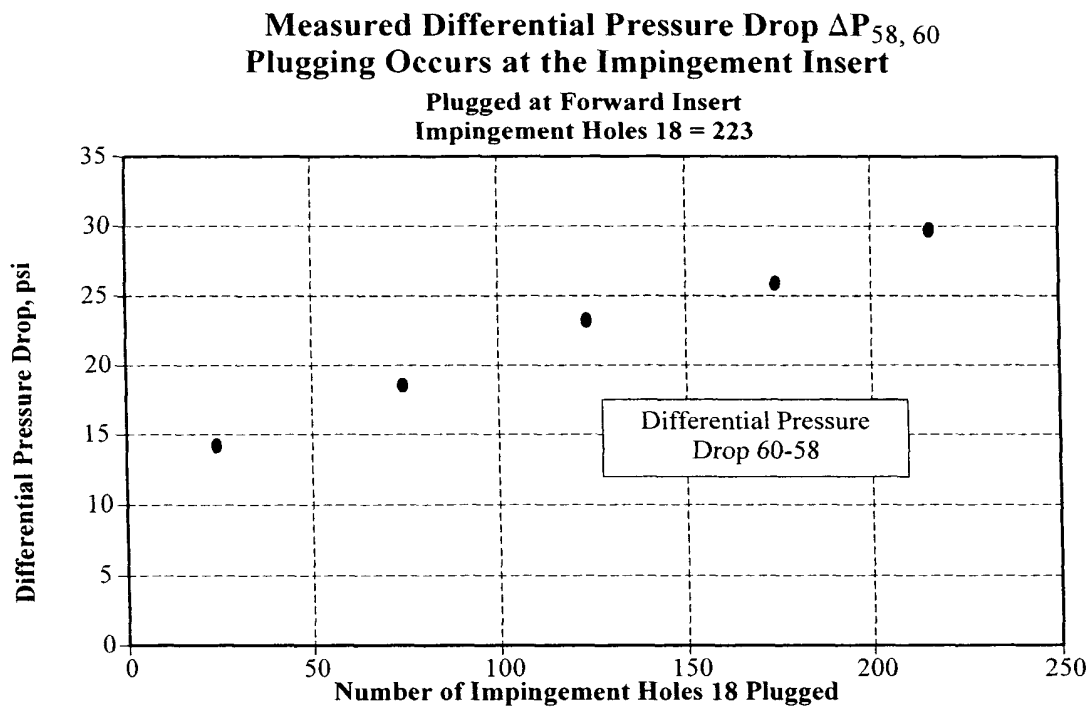
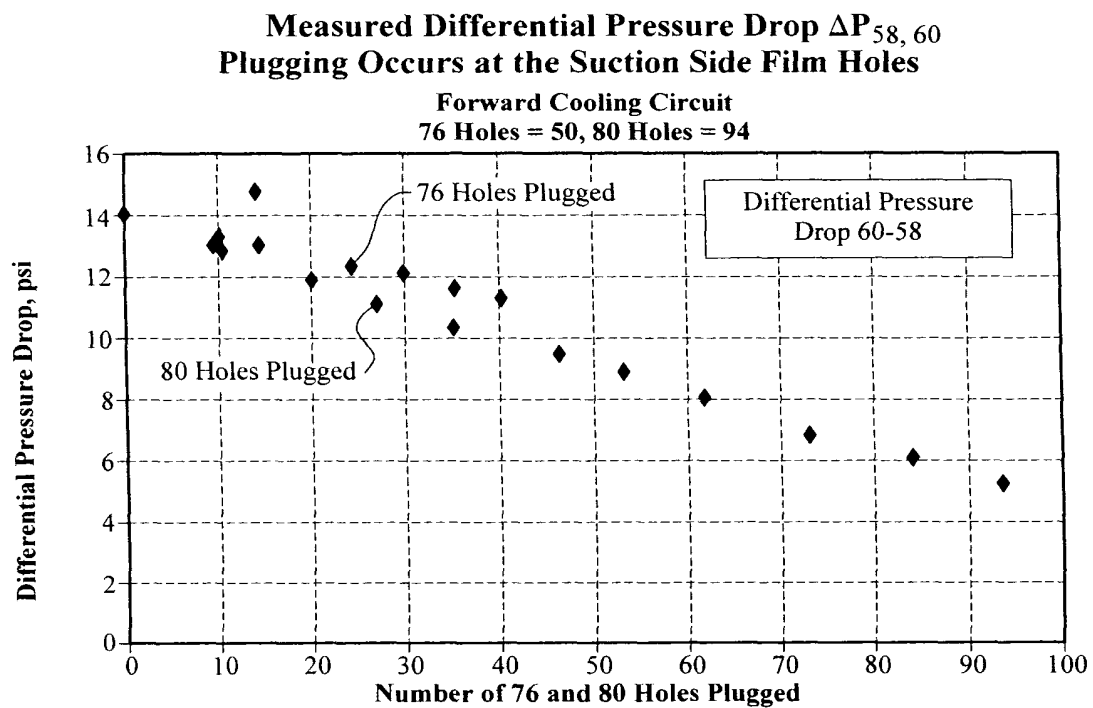


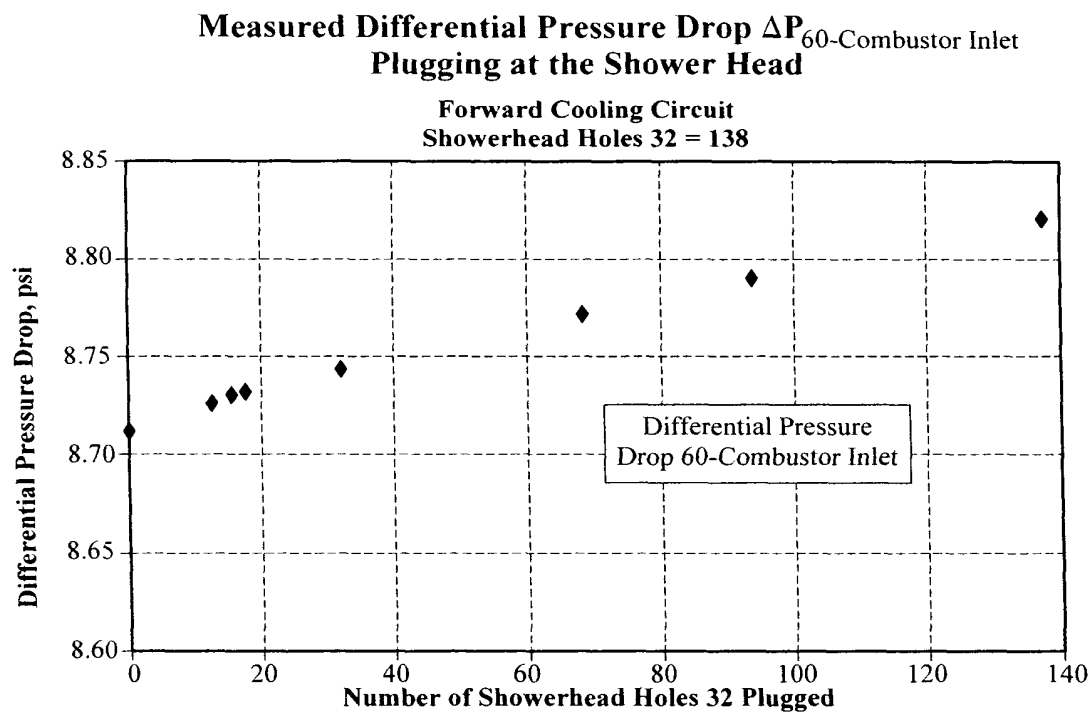
FIG. 3



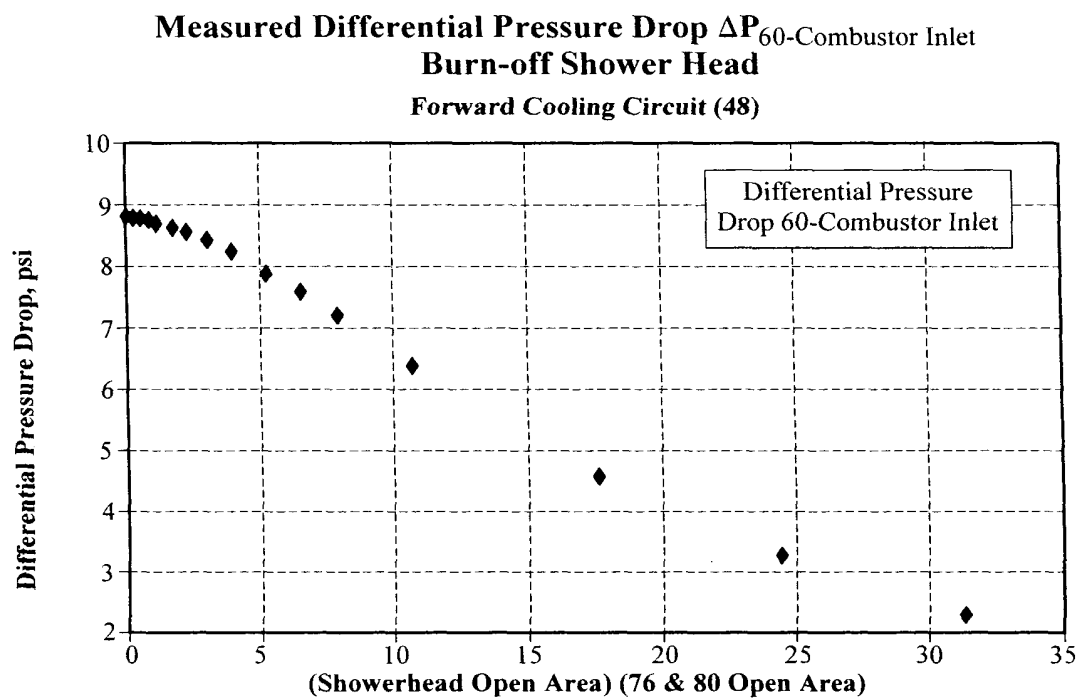
***FIG. 4***



***FIG. 5***



***FIG. 6***

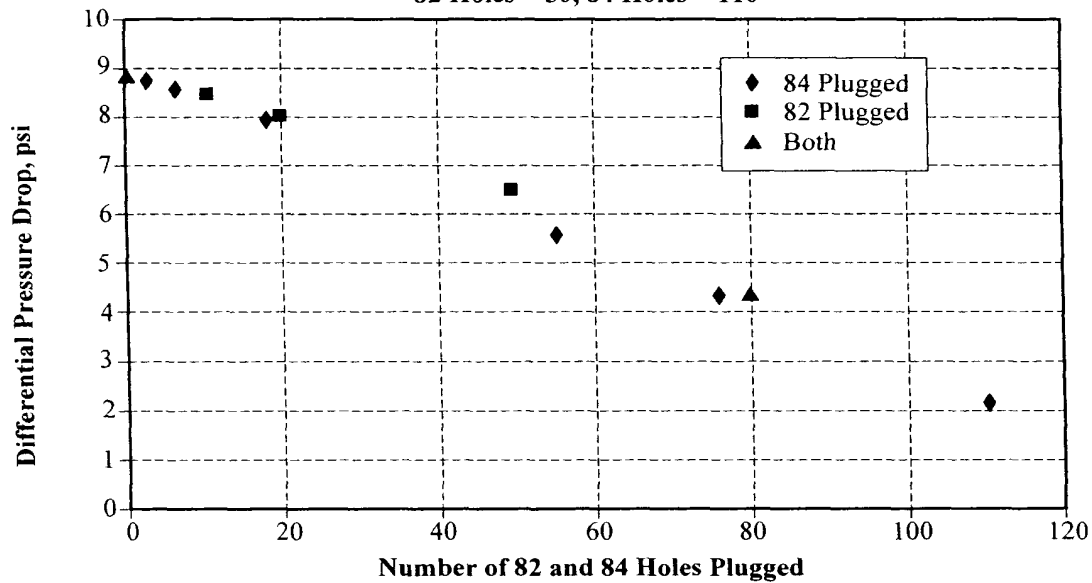


***FIG. 7***

**Measured Differential Pressure Drop  $\Delta P_{72, 70}$   
Plugging Occurs at the Pressure Side Film Holes**

Mid-Cooling Circuit, 72, 70 Pressure Drop

82 Holes = 50, 84 Holes = 110



***FIG. 8***